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WATER SUPPLY OUTLOOK FOR MONTANA

U.S. DEPT. OF AGRICULTURE

JUN 24 '75



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

MONTANA AGRICULTURAL EXPERIMENT STATION

AS OF
JUNE 1, 1975

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Cabins near Sacajawea Snow Course
in Bridger Mountains, Montana.*

SFS PHOTO 11-P480-15

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR MONTANA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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UNITED STATES OF AMERICA

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CONTENTS

	Page
MONTANA WATER SUPPLY OUTLOOK	1-2
SOIL MOISTURE	3
RESERVOIR STORAGE	4
SNOW	5-7
SUPPLEMENTAL MEASUREMENTS	8-9
CORRECTIONS TO PREVIOUSLY PUBLISHED DATA	10
SNOW PILLOW DATA	
Columbia	
Poorman Creek and Banfield Mountain	11
Hawkins Lake and Garver Creek	12
Noisy Basin and Meadow Creek	13
Black Pine, Peterson Meadows, and Combination	14
Hoodoo Basin	15
North Fork Elk Creek and Lubrecht Flume	16
Twin Lakes, Saddle Mountain, and Twelvemile Creek	17
Missouri	
Black Bear and Madison Plateau	18
Whiskey Creek, Tepee Creek, and West Yellowstone	19
Bridger Bowl and Maynard Creek	20
Shower Falls, Carrot Basin, and Lick Creek	21
Spur Park and Deadman Creek	22
Rocker Peak, Frohner Meadows, and Rocky Boy	23
Mount Lockhart and Waldron	24
Fisher Creek, White Mill, and Northeast Entrance	25
Cole Creek	26
MAP, SNOW COURSES AND RELATED DATA MEASURING SITES	
COOPERATORS	Inside Back Cover



MONTANA WATER SUPPLY OUTLOOK
June 1, 1975

The mountain snowpack continues to hold record or near record amount of water for this date. Snowmelt delayed by cool weather, appears to be 3 to 4 weeks later than normal. Excessive amounts of snow are still present in the lower elevations. Peak flows generated from snowmelt are expected to be well above average and near those experienced last year.

Streamflow for the remainder of the summer season is expected to be above average on most drainages. There has been no appreciable change in the total water supply outlook except runoff that should normally occur in May will now flow in June and July.

Snow pillow records indicate peak snowmelt flows should occur about mid June on the Blackfoot, Clark Fork, North and Middle Forks Flathead River and third week in June on the Bitterroot River. Most low elevation drainages have passed their snowmelt peak in mid May or early June.

East of the divide, inflow to Hebgen Lake, Big Hole and Ruby Rivers should reach their snowmelt peak the second week in June. The Jefferson and Missouri Rivers should reach their peak snowmelt the third week of June while the Gallatin River peak will be delayed to the latter part of the third or early part of the fourth week in June. Most lower elevation streams had their snowmelt peaked near mid May.

In the Yellowstone River Basin, most major snow fed streams should reach their snowmelt peak in the third or fourth week of June.

With large amounts of snow present in the higher elevations, streams will continue to have higher than normal runoff until the mountain snow-pack is substantially melted.

During this entire snowmelt period, any significant amounts of rainfall will cause streams to rise rapidly.

Those having livestock, equipment, or homes in areas that may be affected by high water should maintain contact with Civil Defense and/or National Weather Service for up to date forecasts of temperatures, precipitation, and streamflow levels.



SOIL MOISTURE

DRAINAGE BASIN and/or STATION		Profile (Inches)		Date of Survey	Soil Moisture (Inches)		
Name	Elevation	Depth	Capacity		This Year	Last Year	Average †

COLUMBIA RIVER BASIN

Kootenai

Baree Trail	3800	48	7.5	-	-	6.6	6.1
Murphy Lake R.S.	3000	48	22.6	6/3	19.9	20.9	20.7
Raven	3050	48	23.0	-	-	14.7	17.3

Flathead

Desert Mountain	5600	54	8.4	5/30	9.4	9.2	8.9
Marias Pass	5250	54	6.5	5/24	6.1	7.8	6.2

Clark Fork

Black Pine	7100	48	10.0	5/30	9.4	8.6	8.7
Lubrecht Forest	4100	48	26.8	6/3	22.8	22.7	23.0
Seeley Lake R.S.	4030	48	11.9	6/2	11.3	11.1	10.8
Skalkaho Summit	7260	48	10.8	5/29	10.2	10.0	10.0

Bitterroot

Gibbons Pass	7100	48	7.1	5/29	5.6	6.8	7.1
Lolo Pass	5250	48	10.6	5/28	9.4	9.8	9.9

MISSOURI RIVER BASIN

Beaverhead

Lakeview	6700	48	15.3	5/31	17.0	14.4	14.9
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Madison

West Yellowstone	6700	48	6.5	5/28	3.3	3.0	3.1
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Gallatin

Bridger Bowl	7250	48	17.0	5/27	15.3	15.0	16.1
College Site No. 2	4856	54	17.7	5/30	16.8	17.4	14.0
Lick Creek	6860	48	18.8	5/29	15.8	14.9	17.8
Twenty-One Mile	7150	48	10.0	6/1	9.3	10.0	9.9

Missouri Main Stem

Kings Hill	7420	48	11.8	5/27	9.1	10.6	10.8
Stemple Pass	6350	48	5.9	6/2	5.4	4.6	5.1

Milk

Beaver Creek	3950	48	20.9	5/29	16.2	18.8	15.4
Rocky Boy	4700	36	10.1	5/29	10.0	10.2	9.8

Yellowstone

Battle Ridge	6020	48	17.6	5/27	14.0	9.0	14.9
Northeast Entrance	7350	48	9.4	5/30	10.8	9.8	9.2
PMC Dryland	3700	48	20.7	6/2	11.4	8.9	-

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average

COLUMBIA RIVER BASIN

Kootenai	Koocanusa	5,694.0	1,566.0	1,818.0	-
Flathead	Hungry Horse	3,428.0	2,111.0	2,036.0	2,639.0
	Flathead Lake	1,791.0	1,245.0	1,342.0	1,481.0
	Camas (4)	45.2	27.8	29.1	36.3
	Mission Valley (8)	100.3	47.0	55.2	63.7
Clark Fork	Georgetown Lake	31.0	24.0	21.7	25.6
	Lower Willow Creek	4.6	4.9	4.9	4.1
	Nevada Creek	12.6	-	-	12.1
	Noxon Rapids	334.6	251.2	231.6	243.9
Bitterroot	Como	34.9	-	26.6	29.1
	Painted Rocks	31.7	13.1	33.4	32.4

MISSOURI RIVER BASIN

Beaverhead	Clark Canyon	328.9	183.2	141.8	149.5
	Lima	84.0	67.6	66.2	60.2
Ruby	Ruby	38.8	-	38.8	37.7
Madison	Hegben Lake	377.5	234.4	238.1	287.1
	Ennis Lake	41.0	34.4	26.4	36.9
Gallatin	Middle Creek	8.0	3.4	4.5	7.0
Missouri	Canyon Ferry	2,043.0	1,520.0	1,617.0	1,652.0
	Hauser & Helena	61.9	61.9	63.0	57.9
	Lake Helena	10.4	10.4	10.9	9.1
	Holter Lake	81.9	78.6	81.4	73.7
	Smith River	10.6	11.5	11.0	10.8
	Bair	7.0	7.0	6.1	6.7
	Martinsdale	23.1	18.7	21.6	16.6
	Deadman's Basin	72.2	-	42.1	57.0
	Fort Peck Lake	19,140.0	17,980.0	16,660.0	13,920.0
Sun	Gibson	104.8	92.0	90.1	92.8
	Willow Creek	32.2	29.6	28.5	28.1
	Pishkun	32.0	31.7	32.0	28.8
Marias	Lower Two Medicine	11.9	-	12.6	-
	Four Horns	19.2	-	12.6	-
	Swift	30.0	19.3	16.2	27.7
	Lake Frances	111.9	80.8	52.4	94.6
	Tiber	1,347.0	628.1	566.5	691.1
Milk	Beaver Creek	3.5	3.5	4.2	-
	Fresno	127.2	125.2	117.9	102.1
	Nelson	66.8	55.9	42.1	46.3
	Lake Sherburne	66.2	45.6	30.3	29.7
Yellowstone	Mystic Lake	21.0	1.1	10.5	6.0
	Tongue River	68.0	-	57.6	40.8
	Cooney	27.4	23.2	23.0	17.3
Bighorn	Bighorn Lake	1,356.0	820.4	789.9	810.3



SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
					Last Year	Average
NAME	Elevation					
ARCH FALLS	7350	5/29	59	23.8	15.9	9.2
BADGER PASS	6900	5/31	106	55.6	-	-
BALD EAGLE PEAK	5700	5/29	126	62.6	80.9	45.9
BANFIELD MOUNTAIN	5600	5/30	35	20.5	24.9	4.1
BANFIELD MOUNTAIN PILLOW	5600	5/30	SP	17.0	20.0	1.3
BEAVER LAKE	5900	5/31	52	25.2	-	-
BIG COULEE	5100	5/30	6	2.4	-	-
BIG CREEK	6750	5/29	98	51.6	72.0	46.5
BLACK BEAR	7950	5/28	95	48.1	58.7	-
BLACK BEAR PILLOW	7950	5/28	SP	43.4	48.7	-
BLACK PINE	7100	5/30	37	16.0	9.8	3.0
BLACK PINE PILLOW	7100	5/30	SP	19.9	7.7	2.3
BLUE LAKE	5900	5/31	56	32.1	-	-
BRIDGER BOWL	7250	5/27	75	34.8	39.6	22.8
BRIDGER BOWL PILLOW	7250	5/27	SP	33.1	35.2	18.8
ARISTOW CREEK	3900	5/30	0	.0	.0	-
CAMP MISERY	6400	5/29	106	53.0	-	-
CEDAR GROVE	4100	5/29	0	.0	.0	.0
COLE CREEK	7850	5/29	77	30.2	-	-
COLE CREEK PILLOW	7850	5/29	SP	31.6	-	-
COMBINATION PILLOW	5600	5/30	SP	.0	.0	-
COOKE STATION	8150	5/30	51	23.4	19.4	10.9
COPPER MOUNTAIN	7700	5/30	45	19.0	-	.0
DAVIS CREEK	5400	5/28	24	13.2	18.6	1.8
DEADMAN CREEK	6450	5/27	14	5.8	.0	.0
DEADMAN CREEK PILLOW	6450	5/27	SP	5.3	.0	.0
DESERT MOUNTAIN	5600	5/30	11	5.3	12.6	.0
DEVILS SLIDE	8100	5/29	97	40.9	32.0	23.8
DISCOVERY BASIN	7050	5/30	42	18.2	-	-
DIX HILL	6400	6/01	9	4.2	-	-
FATTY CREEK	5500	5/29	38	19.6	28.6	7.6
FISHER CREEK	9100	5/30	107	49.4	58.0	32.1
FISHER CREEK PILLOW	9100	5/30	SP	45.6	53.6	32.4
FIVE-BULL	5700	5/31	0	.0	-	-
FREIGHT CREEK	6000	5/31	20	10.3	-	-
FROHNER MEADOWS	6480	5/29	29	11.1	.5	-
FROHNER MEADOWS PILLOW	6480	5/29	SP	15.7	3.1	-
GARVER CREEK	4250	5/28	0	.0	.0	-
GARVER CREEK PILLOW	4250	5/28	SP	.0	.0	-
GIBBONS PASS	7100	5/29	67	31.9	27.2	8.6
GRAVES CREEK	4300	5/27	6	2.8	12.2	1.6
GRIZZLY PEAK	8400	5/29	89	32.6	-	-
GUNSIGHT LAKE	6300	5/31	81	43.3	-	-
HAWKINS LAKE	6450	5/28	74	37.1	49.0	20.2
HAWKINS LAKE PILLOW	6450	5/28	SP	32.5	51.3	20.4
HEART LAKE TRAIL	4800	5/30	30	14.4	11.9	1.7
HELL ROARING DIVIDE	5770	5/30	46	24.8	42.1	12.6
HIGHWOOD DIVIDE	5650	5/30	6	2.7	-	-



SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average
HOOD MEADOW	6600	5/29	41	17.0	7.8	1.8
HOODOO BASIN	6000	5/30	101	51.2	62.6	34.9
HOODOO BASIN PILLOW	6000	6/01	SP	42.5	-	33.8
HOODOO CREEK	5900	5/30	95	47.6	63.6	33.5
INTERGAARD	6450	5/31	39	16.0	-	-
KINGS HILL	7500	5/27	53	21.8	19.0	-
LAKE CREEK	6100	5/29	4	1.6	.0	-
LICK CREEK	6860	5/29	35	13.9	1.0	.4
LICK CREEK PILLOW	6860	5/29	SP	12.2	.0	.2
LOOKOUT (ID)	5250	5/30	54	28.8	34.2	15.8
LOST HORSE	5940	5/28	83	41.1	44.6	21.4
LOST SOUL	4800	5/30	0	.0	.0	.0
MADISON PLATEAU	7750	5/28	48	23.4	21.9	-
MADISON PLATEAU PILLOW	7750	5/28	SP	22.7	14.5	6.9
MAYNARD CREEK	6210	5/27	38	16.5	13.5	5.4
MAYNARD CREEK PILLOW	6210	5/27	SP	14.3	12.9	4.0
MEADOW CREEK PILLOW	4000	5/30	SP	.4	-	-
NOISY BASIN	6040	5/29	98	52.1	-	-
NOISY BASIN PILLOW	6040	5/29	SP	39.3	-	-
NORTH FK. ELK CREEK	6250	6/01	26	12.7	.0	-
NORTH FK. ELK CREEK PILL	6250	6/01	SP	16.8	.0	.0
NORTH FORK JOCKO	6330	5/30	91	48.3	51.4	32.0
NORTHEAST ENTRANCE	7400	5/30	14	6.0	.4	.2
NORTHEAST ENTRANCE PILL.	7400	5/30	SP	5.7	.0	.0
OPHIR PARK	7150	6/01	55	25.2	14.3	-
PICKET PIN LOWER	6200	6/01	0	.0	.0	-
PICKET PIN MIDDLE	7250	6/01	35	17.5	.0	-
PICKET PIN UPPER	8100	6/01	83	36.4	28.8	-
PIPESTONE PASS	7200	5/30	38	14.6	-	-
POORMAN CREEK	5100	5/29	42	23.1	35.7	8.5
POORMAN CREEK PILLOW	5100	5/29	SP	24.6	38.2	6.2
RED MOUNTAIN	6000	5/30	30	13.5	22.0	4.9
ROCKER PEAK	8000	5/29	65	27.6	16.4	9.2
ROCKER PEAK PILLOW	8000	5/29	SP	28.5	20.8	14.3
ROCKY BOY	4700	5/25	0	.0	-	-
ROCKY BOY PILLOW	4700	5/25	SP	.0	.8	.0
SADDLE MOUNTAIN	7940	5/29	84	38.7	34.6	18.7
SADDLE MOUNTAIN PILLOW	7940	5/29	SP	35.2	36.1	19.8
SHOWER FALLS	8100	5/29	99	42.6	37.5	27.5
SHOWER FALLS PILLOW	8100	5/29	SP	41.3	37.0	24.3
SILVER RUN	6630	5/29	15	5.4	-	-
SKALKAHU SUMMIT	7260	5/29	72	33.2	27.0	14.6
SPOTTED BEAR MOUNTAIN	7000	5/31	13	6.8	-	-
SPUR PARK	8000	5/27	66	28.6	28.2	18.1
SPUR PARK PILLOW	8100	5/27	SP	27.9	30.3	17.5
STAHL PEAK	6050	5/27	82	42.7	65.6	30.6
STAR LAKE E	9650	5/30	116	58.2	73.3	-
STUART MOUNTAIN	7400	6/02	66	33.1	30.8	20.3
TEPEE CREEK	8000	5/29	51	22.1	16.4	-
TEPEE CREEK PILLOW	8000	5/29	SP	16.9	6.7	-



SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average
TRINKUS LAKE	6100	5/31	71	38.1	-	-
TV MOUNTAIN	6800	6/02	49	22.5	20.4	9.9
TWELVEMILE CREEK	5600	5/28	29	13.6	12.0	.6
TWELVEMILE CREEK PILLOW	5600	5/28	SP	15.1	5.6	.0
TWIN CREEKS	3580	5/31	0	.0	-	-
TWIN LAKES	6510	5/28	105	52.1	55.9	31.4
TWIN LAKES PILLOW	6400	5/28	SP	47.3	41.3	28.1
UPPER HOLLAND LAKE	6200	5/31	64	32.7	-	-
WEASEL DIVIDE	5450	5/27	58	30.9	45.4	19.6
WEST YELLOWSTONE	6700	5/28	0	.0	-	-
WEST YELLOWSTONE PILLOW	6700	5/28	SP	.0	.0	.0
WHISKEY CREEK	6800	5/28	21	10.5	2.0	-
WHISKEY CREEK PILLOW	6800	5/28	SP	11.9	4.3	-
WHITE MILL	8700	5/30	75	34.8	40.6	24.5
WHITE MILL PILLOW	8700	5/30	SP	29.1	29.7	-
WILLOW CREEK	6500	5/29	4	1.4	-	-

LATE ARRIVING DATA

BRANHAM LAKES	8850	6/04	86	41.8	-	-
MIDDLE MILL CREEK	7850	6/04	47	20.3	-	-
MOUNT LOCKHART	6400	6/06	36	17.8	-	-
SMUGGLER MINE	6960	6/04	26	10.4	-	-
WALDRON	5600	6/06	0	0.0	-	-
WALDRON PILLOW	5600	6/06	SP	0.0	-	-



SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average

SUPPLEMENTAL MEASUREMENTS 1975

JANUARY 1

Badger Pass	6900	1/01	63	17.0	25.0	21.2
Blue Lake	5900	1/01	38	10.0	12.5	11.8
Garver Creek Pillow	4250	1/07	SP	5.5	7.7	4.8
Hawkins Lake Pillow	6450	1/07	SP	16.1	17.8	13.3
Hell Roaring Divide	5770	1/09	66	19.2	22.2	14.1
Holbrook	4530	1/01	23	5.0	3.5	4.3
Spotted Bear Mtn.	7000	1/01	32	7.5	8.0	7.2
Twin Creeks	3580	1/01	32	7.0	5.5	5.7
West Rosebud	7500	1/16	30	6.8	-	-

FEBRUARY 1

Carter Creek	7400	2/02	17	3.9	4.6	3.5
Lubrecht Flume Pillow	4800	1/29	SP	4.3	3.9	4.5
Lubrecht Forest #3	5450	2/12	37	8.4	4.8	5.6
Lubrecht Forest #4	4650	2/12	24	5.1	2.5	3.2
Lubrecht Forest #6	4040	2/07	31	4.8	4.1	3.8
North Fk. Elk Creek Pill.	6250	2/02	SP	9.8	9.2	8.4
Northeast Entrance Pill.	7400	2/02	SP	7.1	6.4	7.0

MARCH 1

Badger Pass	6900	3/01	87	34.0	49.8	37.0
Beaver Lake	5900	3/01	55	20.0	28.4	21.3
Black Bear	7950	2/26	98	32.1	48.2	-
Blue Lake	5900	3/01	65	23.5	31.0	26.4
Five-Bull	5700	3/01	22	5.5	6.2	7.0
Freight Creek	6000	3/01	42	12.5	18.2	14.5
Gunsight Lake	6300	3/01	108	41.0	48.6	39.1
Holbrook	4530	3/01	37	9.0	10.3	10.5
King Creek Saddle	4550	2/27	0	0.0	0.0	-
King Springs	4150	2/27	0	0.0	0.0	-
Meadow Creek Pillow	4000	2/28	SP	8.0	-	-
Picket Pin D	9450	3/12	87	29.5	-	-
Placer Basin F	8800	3/12	67	22.0	-	-
Spotted Bear Mountain	7000	3/01	45	14.0	17.9	14.7
Trinkus Lake	6100	3/01	105	42.0	52.5	39.9
Twin Creeks	3580	3/01	42	13.5	16.0	12.3
Upper Holland Lake	6200	3/01	92	36.0	39.4	33.7



SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average

SUPPLEMENTAL MEASUREMENTS 1975

APRIL 1

Boxelder Creek	5100	4/02	43	10.5	9.3	-
Deadman Creek Pill.	6450	3/28	SP	11.8	12.5	11.0
East Boulder S.	9250	4/11	108	35.5	41.5	-
North East Entrance Pill.	7400	4/01	SP	10.6	10.8	9.3
Picket Pin D	9450	4/11	91	33.0	30.5	-
Placer Basin F	8800	4/11	77	27.0	23.0	-
Star Lake E	9650	4/11	129	44.0	64.5	-
Stuart Mountain	7400	4/08	97	36.4	42.6	34.2

MAY 1

Fred Burr Pass	8000	5/01	113	33.0	32.1	32.6
Hoodoo Basin Pillow	6000	4/30	SP	55.7	-	55.5
Lubrecht Flume Pillow	4800	5/03	SP	5.2	0.0	0.0
Meadow Creek Pillow	4000	4/25	SP	7.8	-	-
North Fk. Elk Creek Pill.	6250	4/30	SP	24.3	7.9	11.5
West Rosebud	7500	4/25	61	20.8	-	-

MAY 15

Hell Roaring Divide	5770	5/20	58	29.7	48.7	26.7
Holbrook	4530	5/15	0	0.0	0.0	-



SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average

CORRECTIONS TO PREVIOUSLY PUBLISHED 1975 DATAJANUARY 1

Black Pine Pillow	7100	<u>12/31</u>	SP	3.9	6.8	5.4
Gibbons Pass	7100	<u>12/30</u>	36	<u>6.7</u>	11.5	9.5

FEBRUARY 1

Bull Mountain	6600	2/03	<u>24</u>	<u>4.9</u>	5.8	-
Cooke Station	8150	1/27	<u>57</u>	<u>13.6</u>	15.2	-
Hell Roaring Divide	5770	2/03	<u>83</u>	<u>25.4</u>	34.1	23.3
Maynard Creek	6210	1/28	<u>40</u>	<u>9.3</u>	12.0	13.7
Northeast Entrance	7400	2/02	<u>32</u>	<u>7.8</u>	6.5	6.6
Waldron	5600	<u>1/31</u>	26	<u>6.0</u>	8.4	-
Waldron Pillow	5600	<u>1/31</u>	SP	7.4	9.7	9.9

MARCH 1

Big Snowy	7150	3/03	59	<u>20.0</u>	18.8	15.0
Crystal Lake	6100	3/03	<u>43</u>	<u>13.2</u>	12.4	12.3
Heart Lake Trail	4800	2/26	<u>77</u>	<u>24.9</u>	28.6	21.2
Intergaard	6450	3/01	<u>30</u>	<u>8.3</u>	9.0	7.7
Lubrecht Forest #6	4040	2/28	23	<u>6.0</u>	5.6	4.3
Rock Creek	5600	3/03	31	<u>10.3</u>	6.9	8.3
Stuart Mill	6500	3/01	26	<u>7.1</u>	7.1	6.3

APRIL 1

Deadman Creek	6450	3/28	<u>44</u>	<u>13.6</u>	13.3	12.7
Peterson Meadows	7200	3/27	<u>45</u>	<u>12.2</u>	11.2	-
Stuart Mill	6500	4/01	36	<u>9.9</u>	8.9	7.5
Ten Mile Middle	6800	4/01	53	<u>15.6</u>	14.2	12.6
Waldron	5600	3/28	41	<u>11.8</u>	13.0	12.2

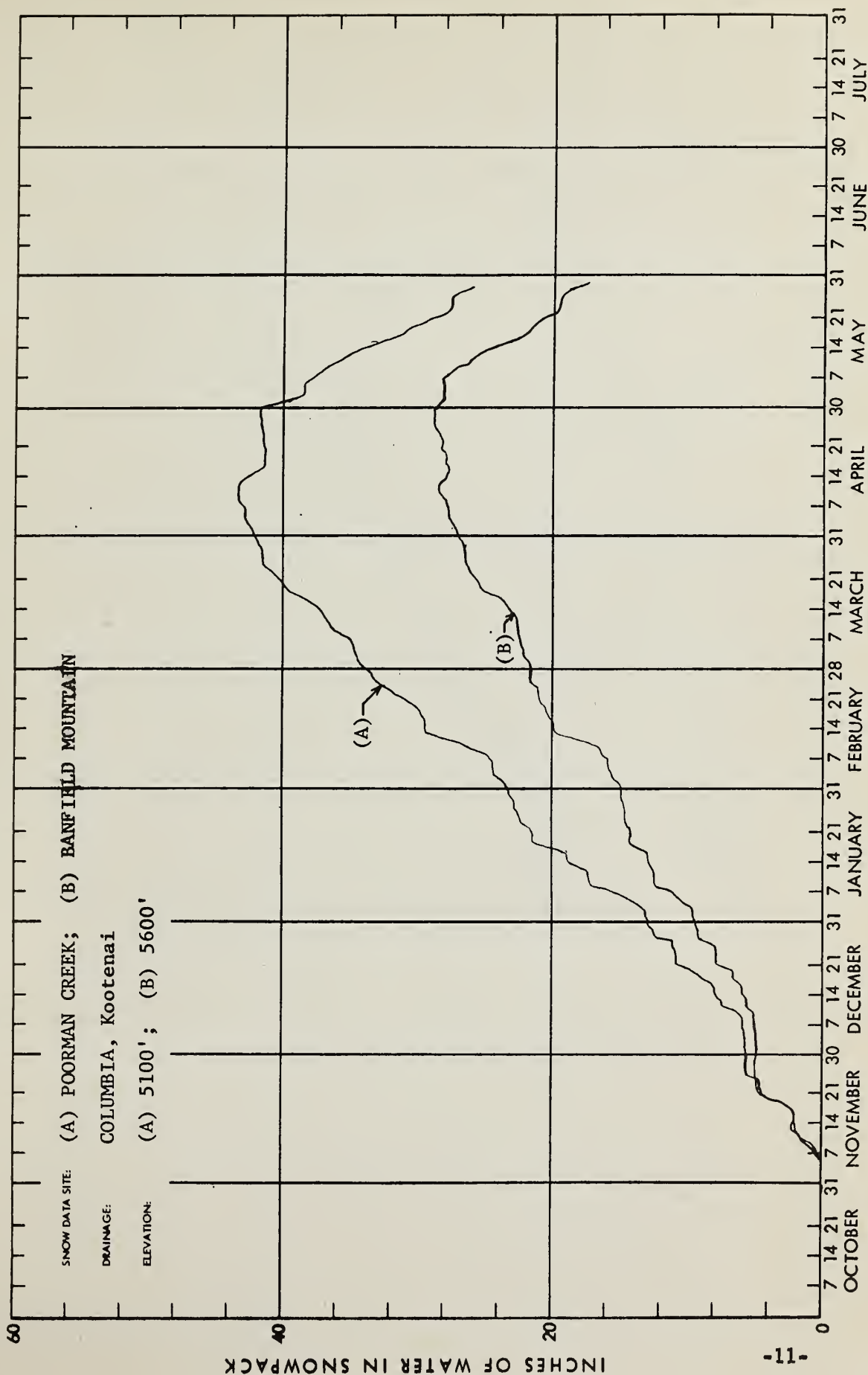
MAY 1

Lubrecht Forest #3	5450	5/04	29	<u>10.0</u>	3.1	4.0
Lubrecht Forest #4	4650	<u>5/01</u>	5	1.6	0.0	.4
Maynard Creek	6210	<u>4/28</u>	<u>56</u>	20.8	21.6	21.8
Mineral Creek	4000	5/02	<u>45</u>	<u>18.2</u>	20.7	14.1

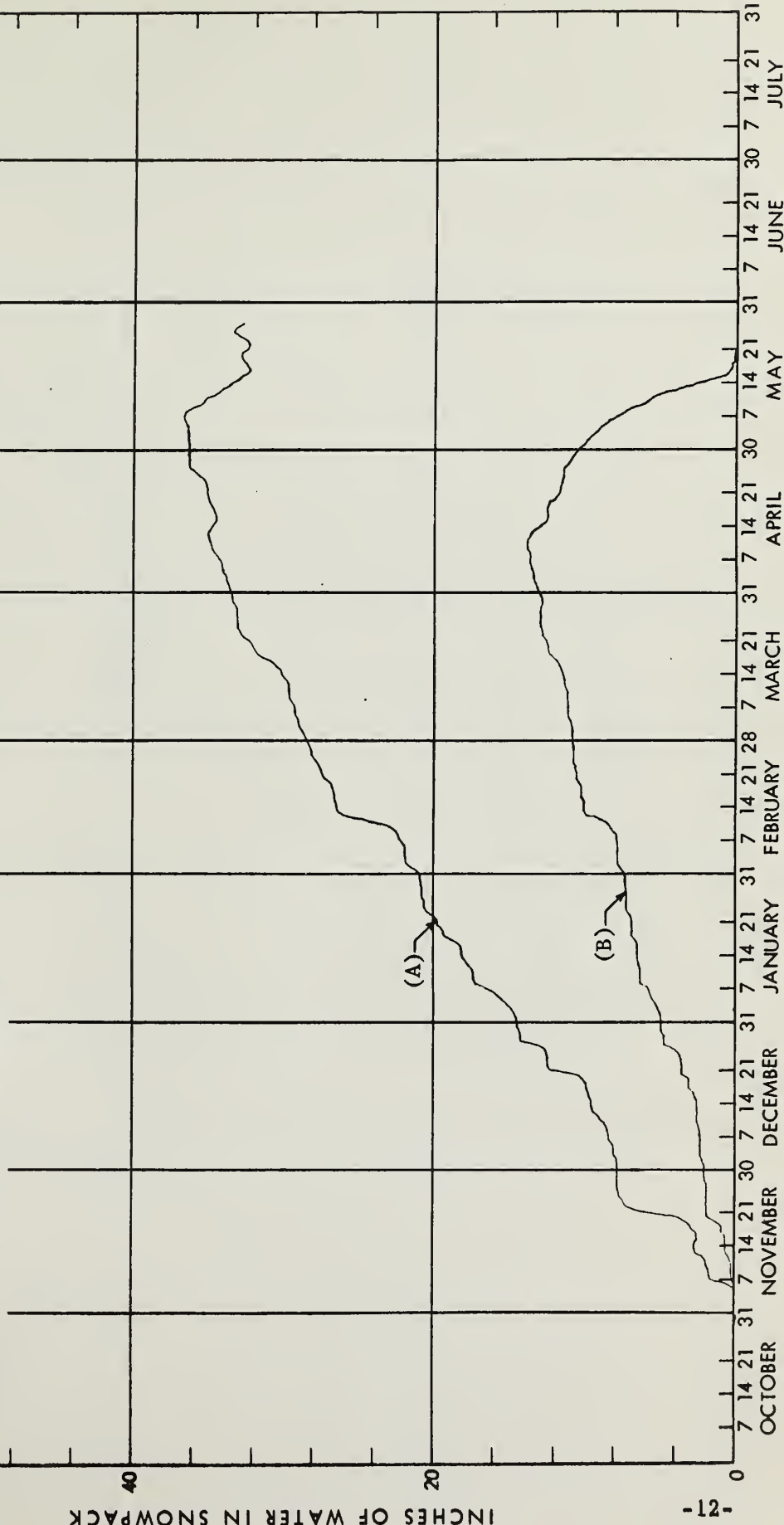
MAY 15

Heart Lake Trail	4800	5/15	50	<u>23.5</u>	24.6	10.2
Hoodoo Basin	6000	5/15	119	<u>61.2</u>	76.2	48.8

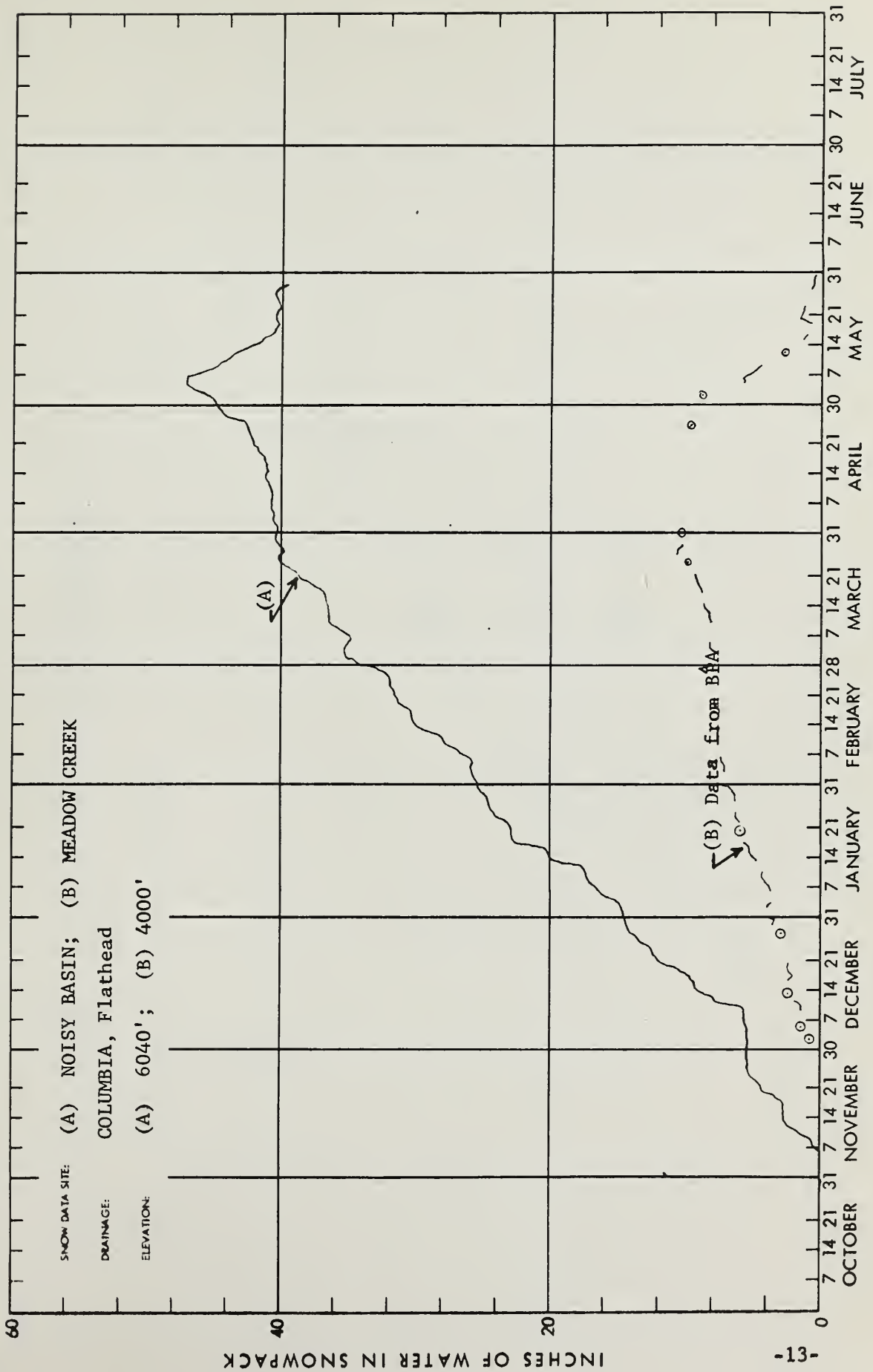




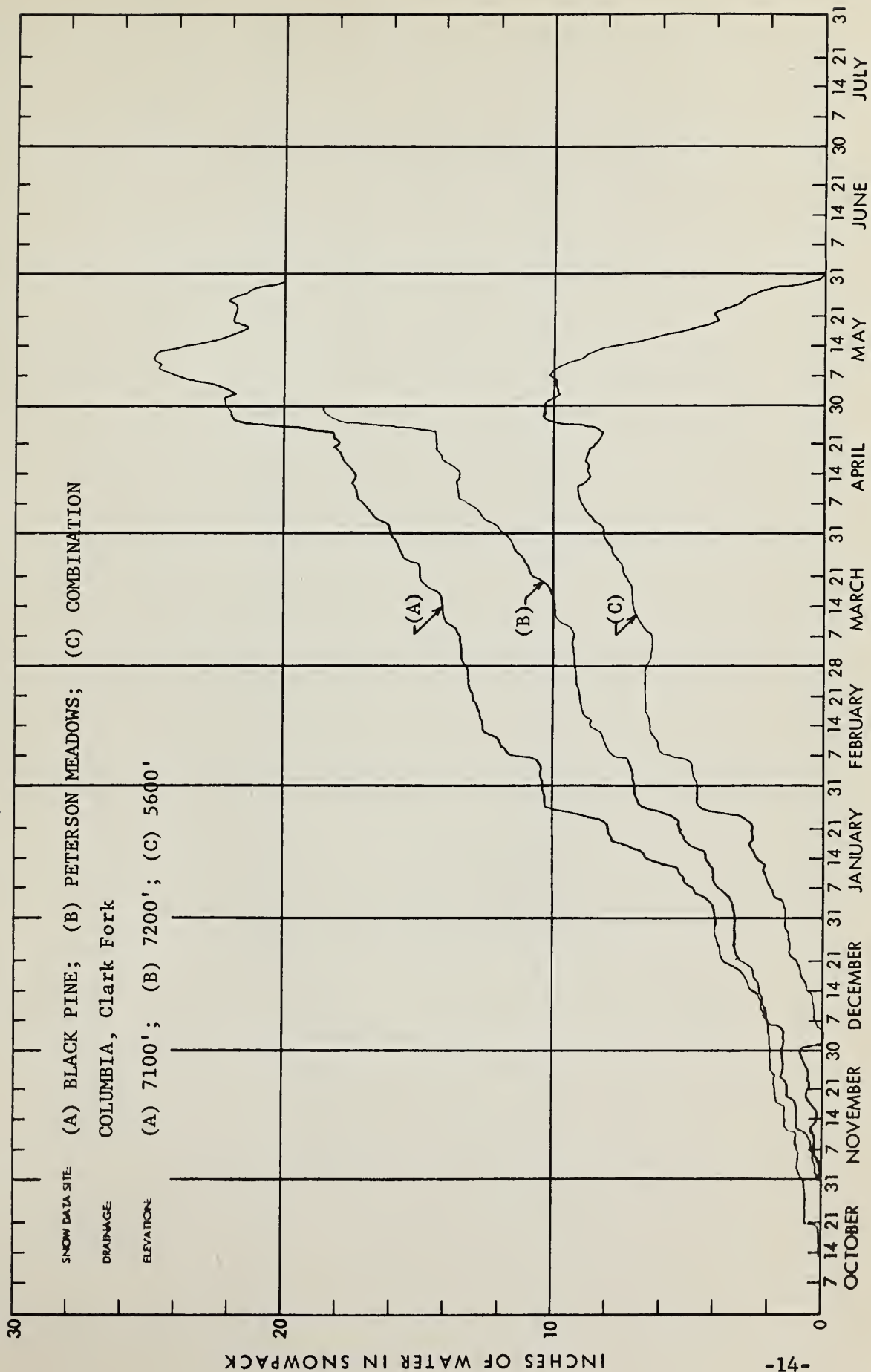
ELEVATION

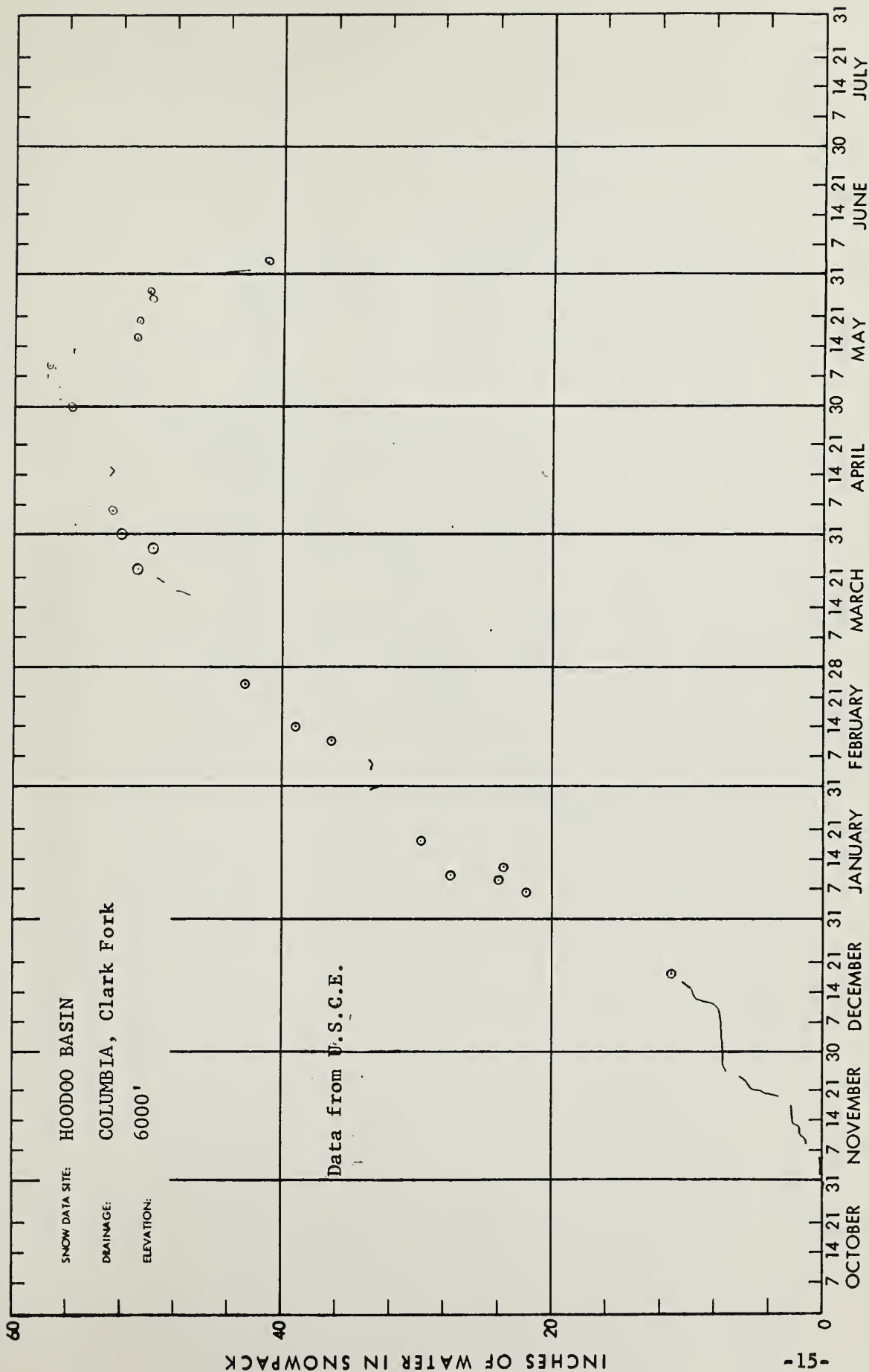


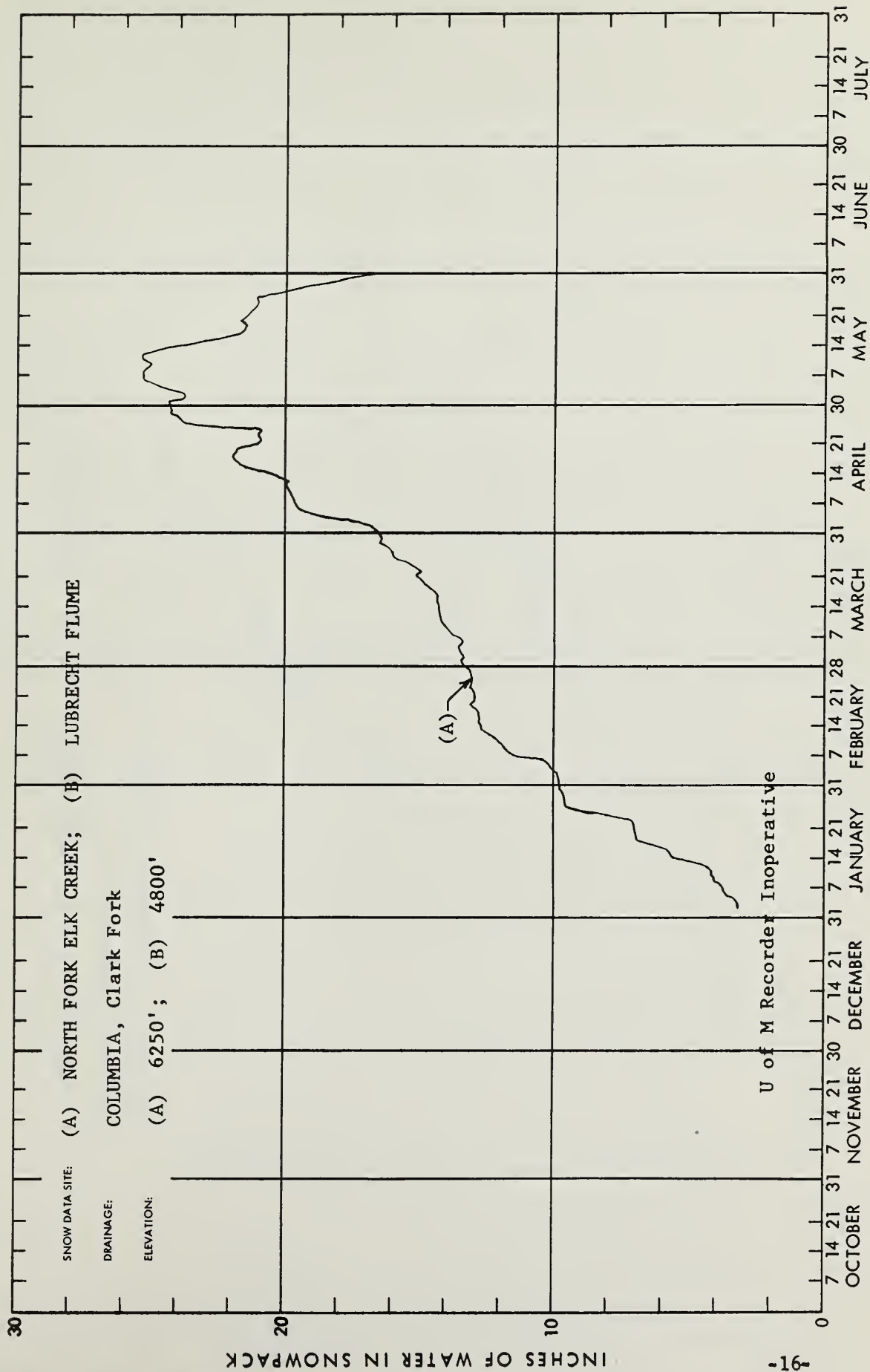




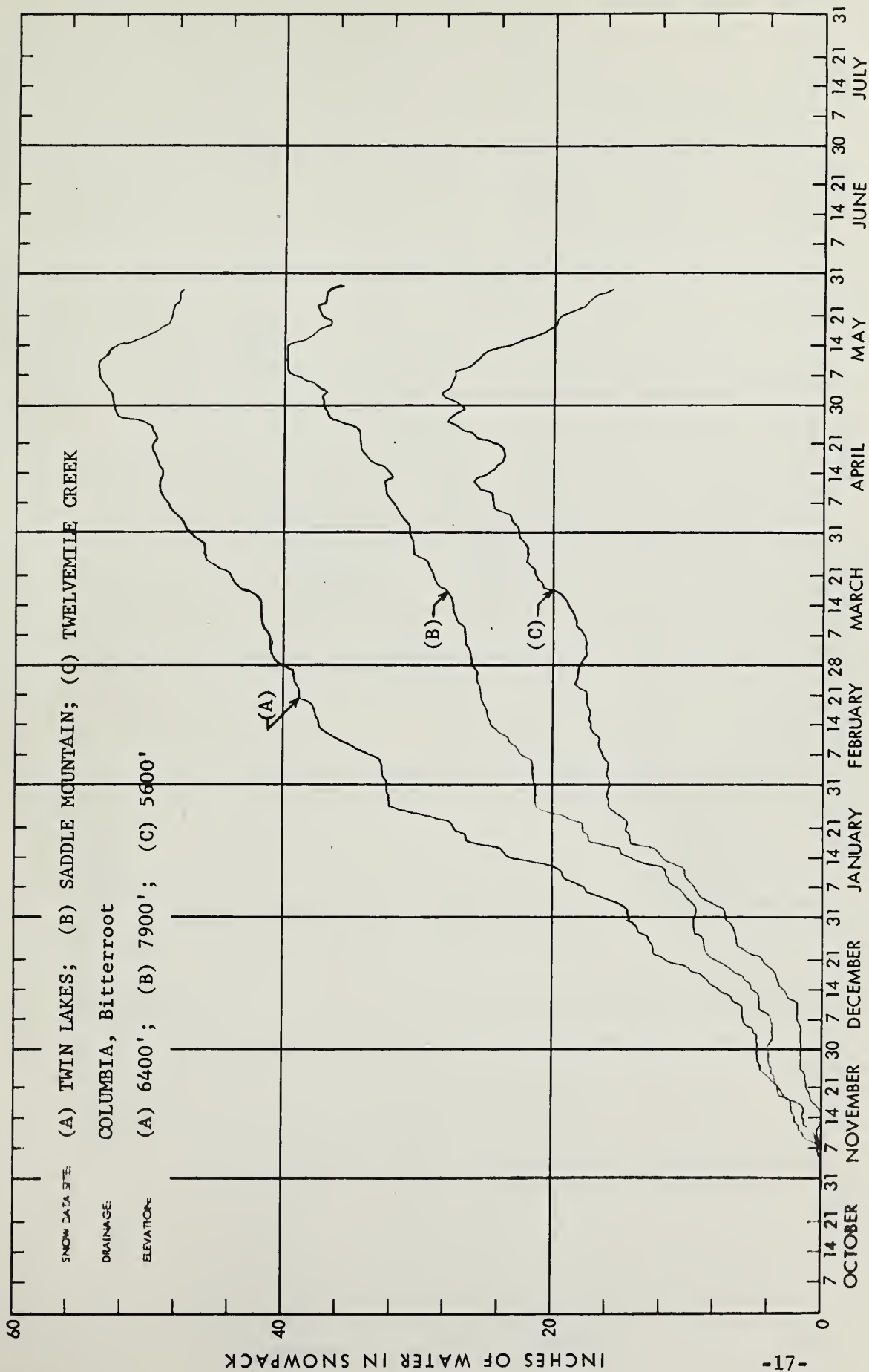


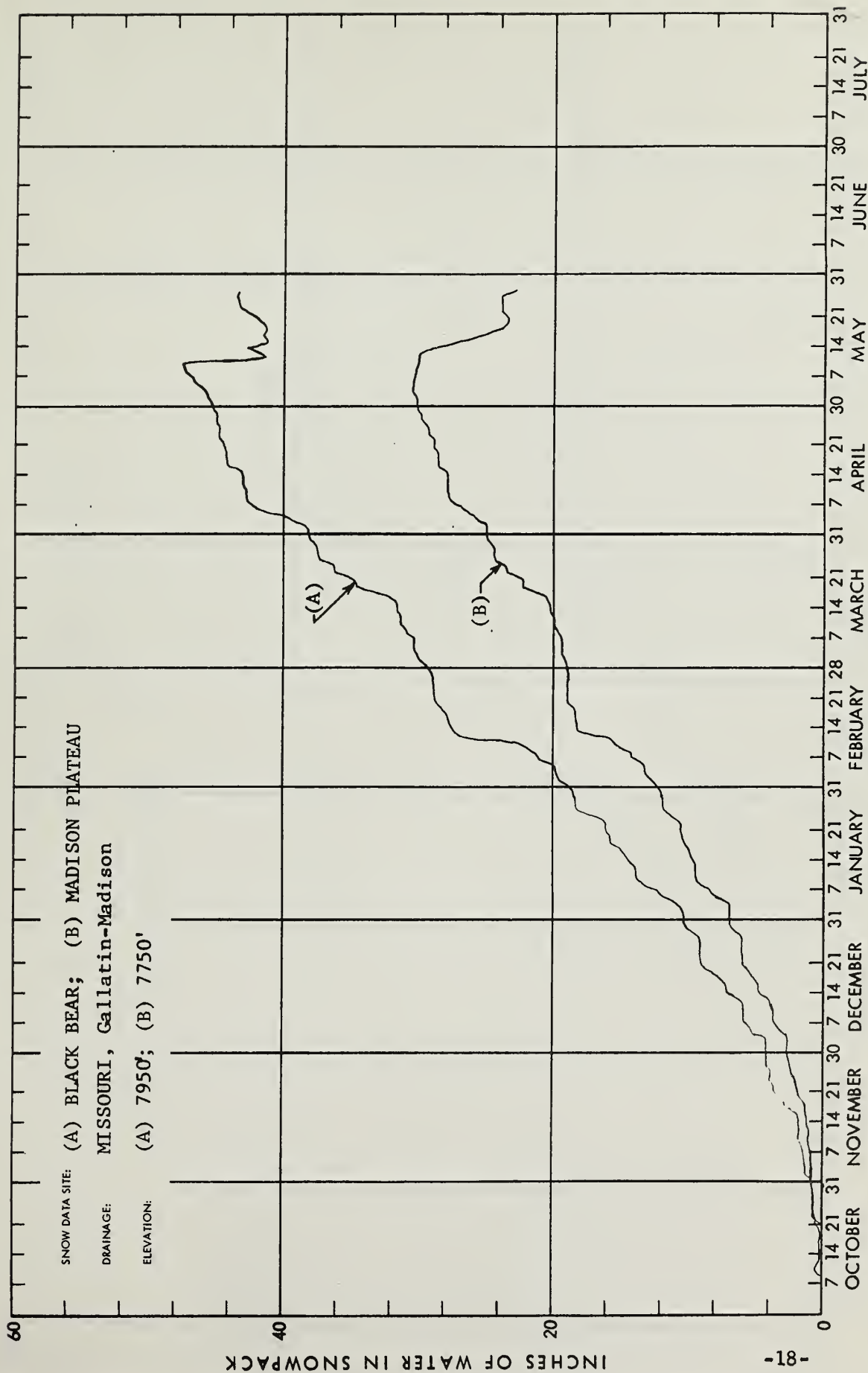


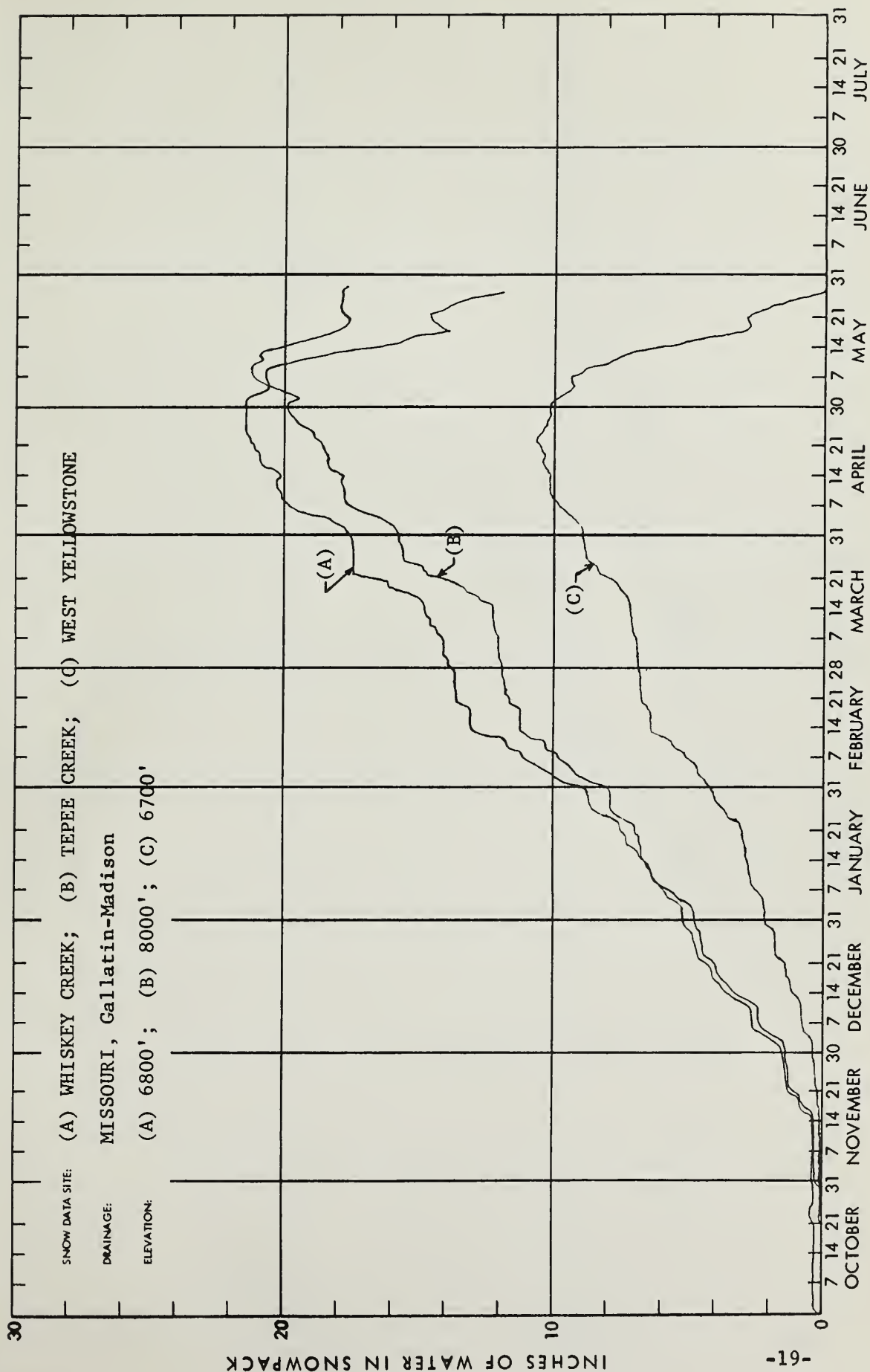


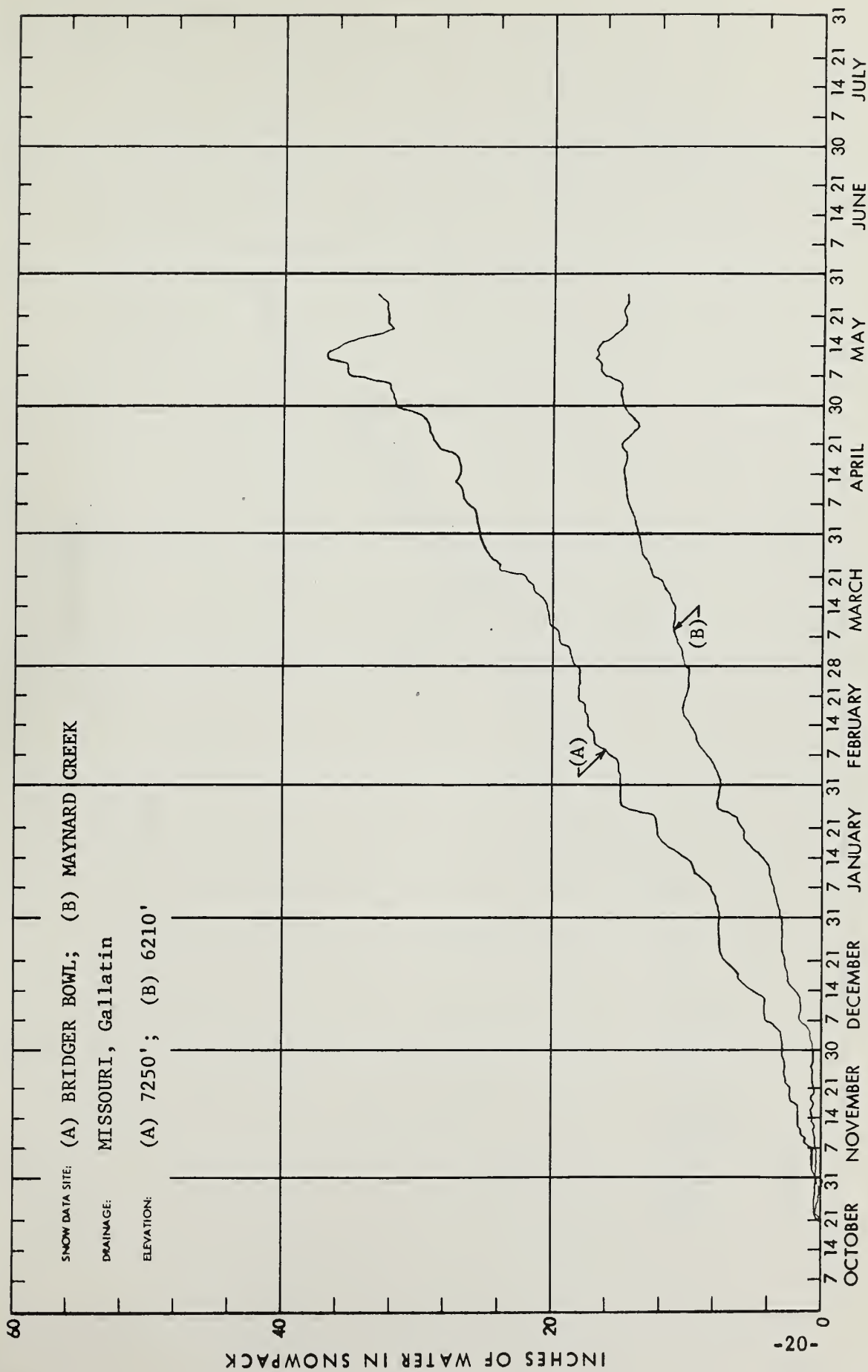


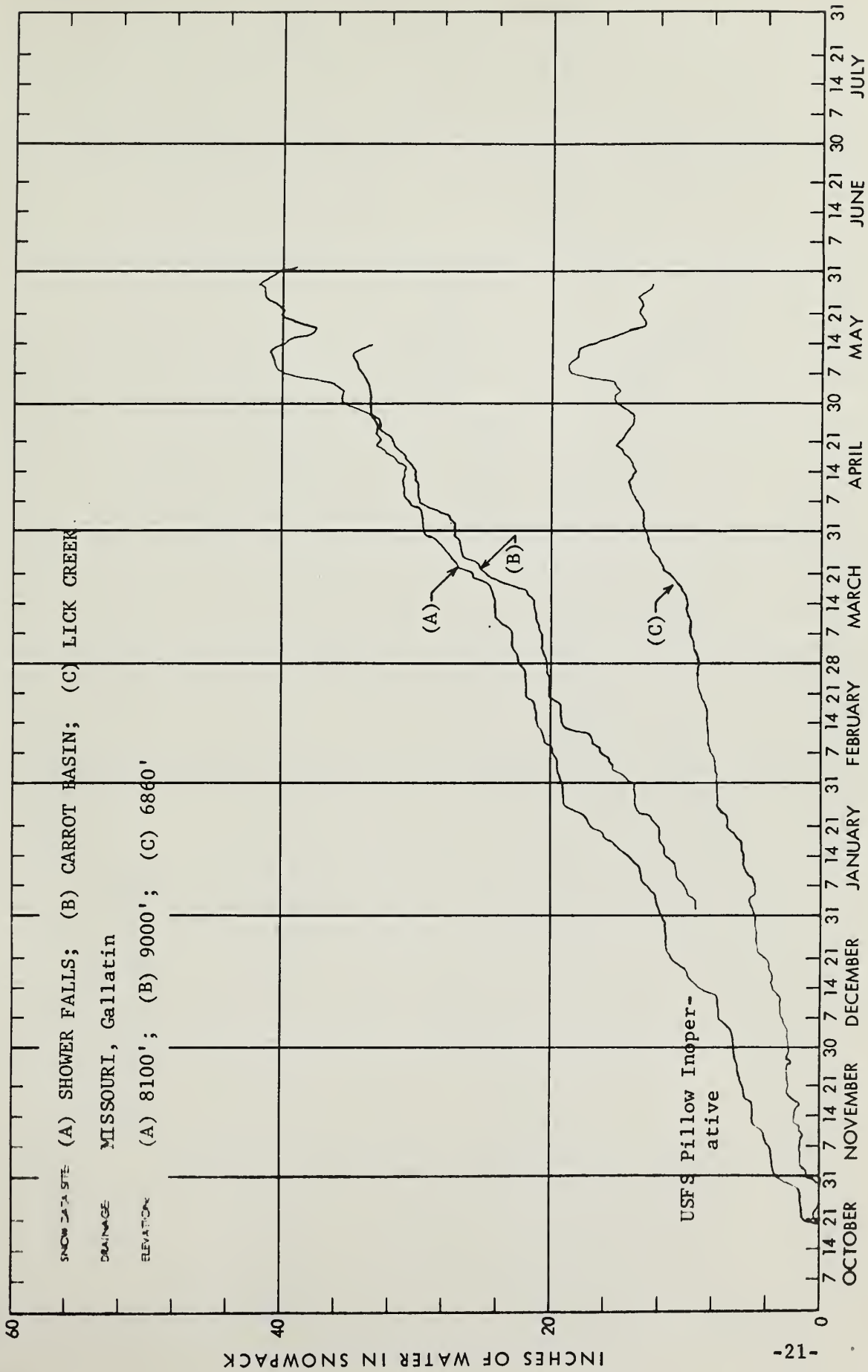












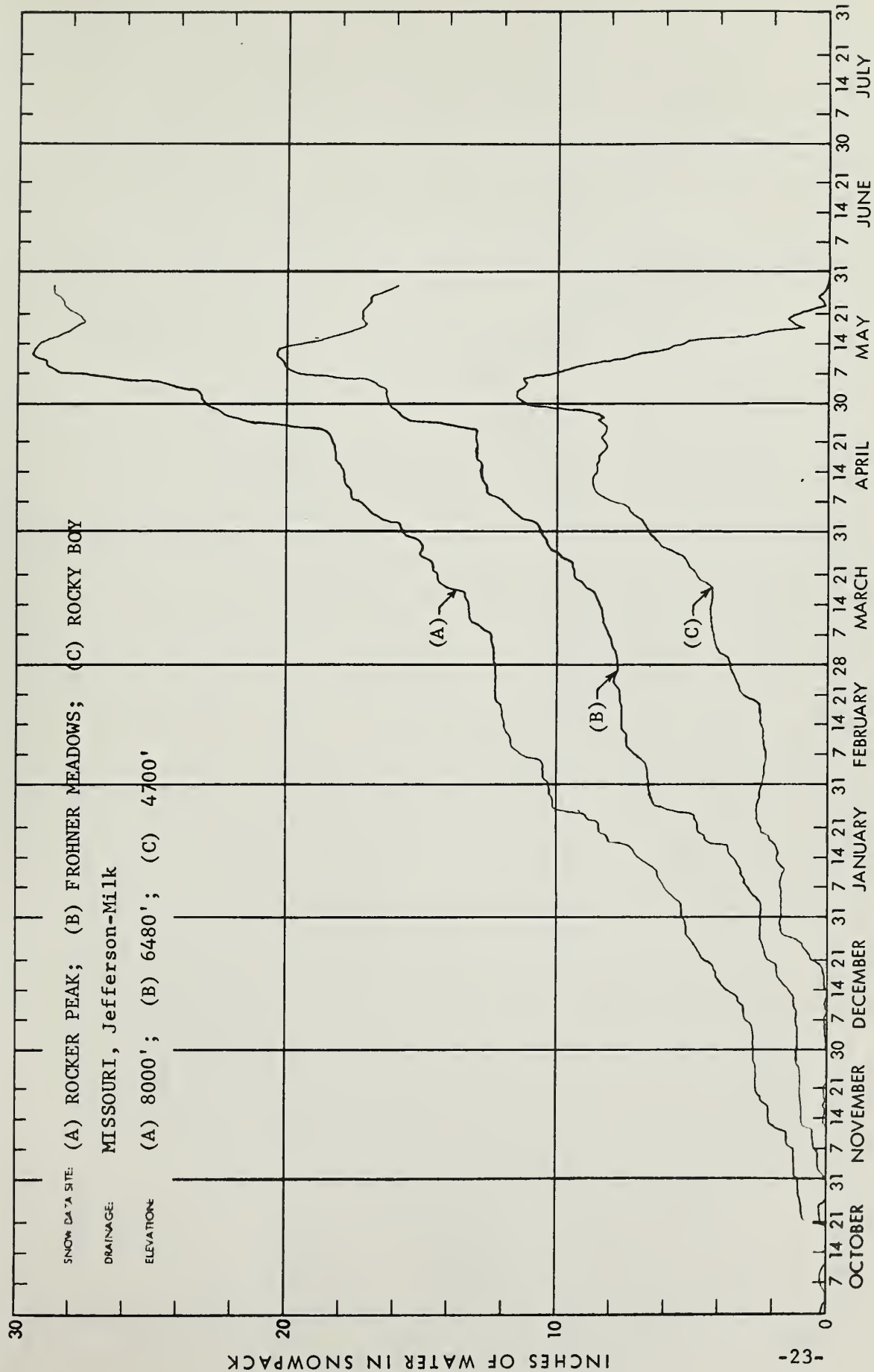
5000 DATA SITE: (A) SPUR PARK; (B) DEADMAN CREEK

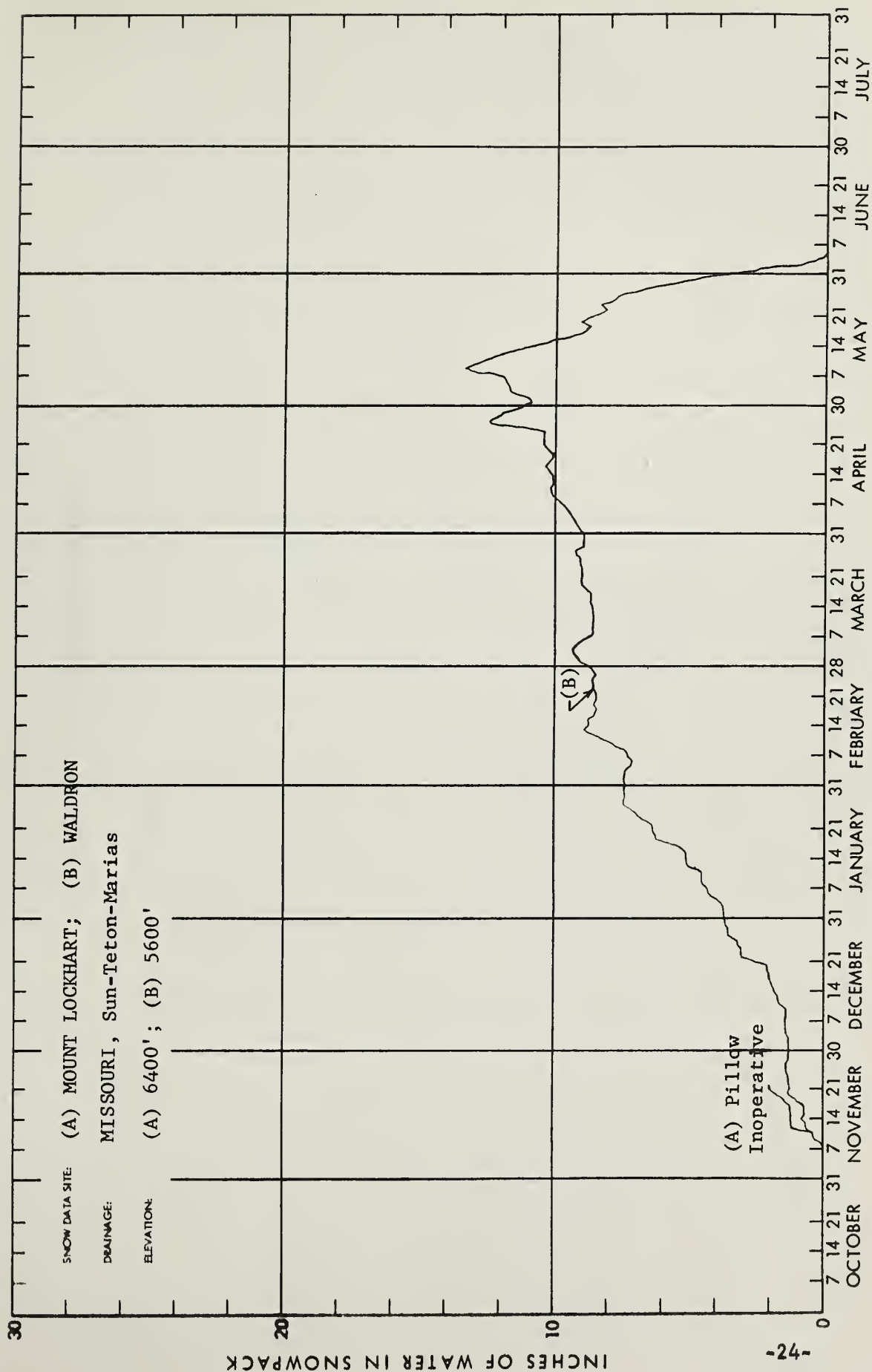
MISSOURI, Judith

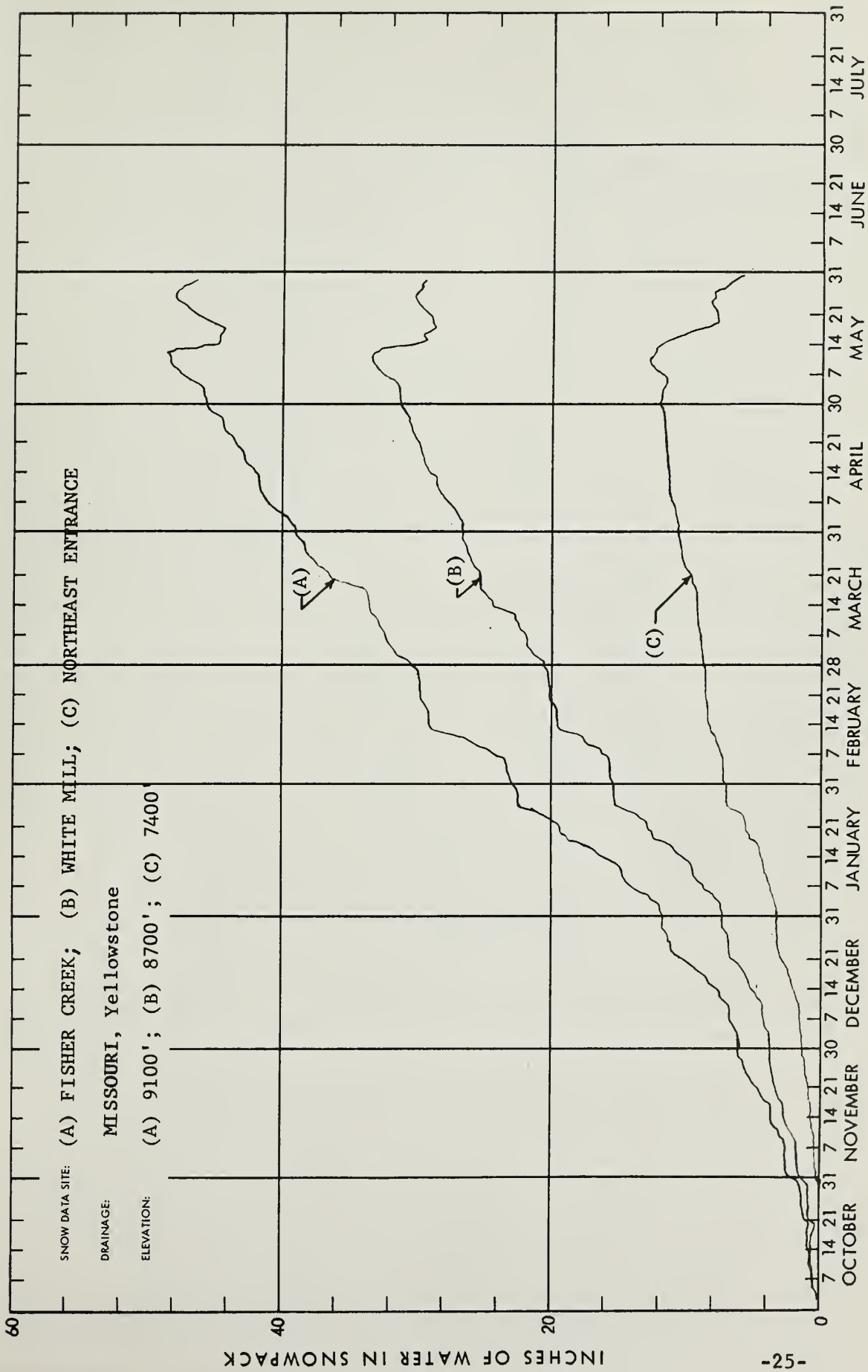
ELEVATION

(A) 8000'; (B) 6450'

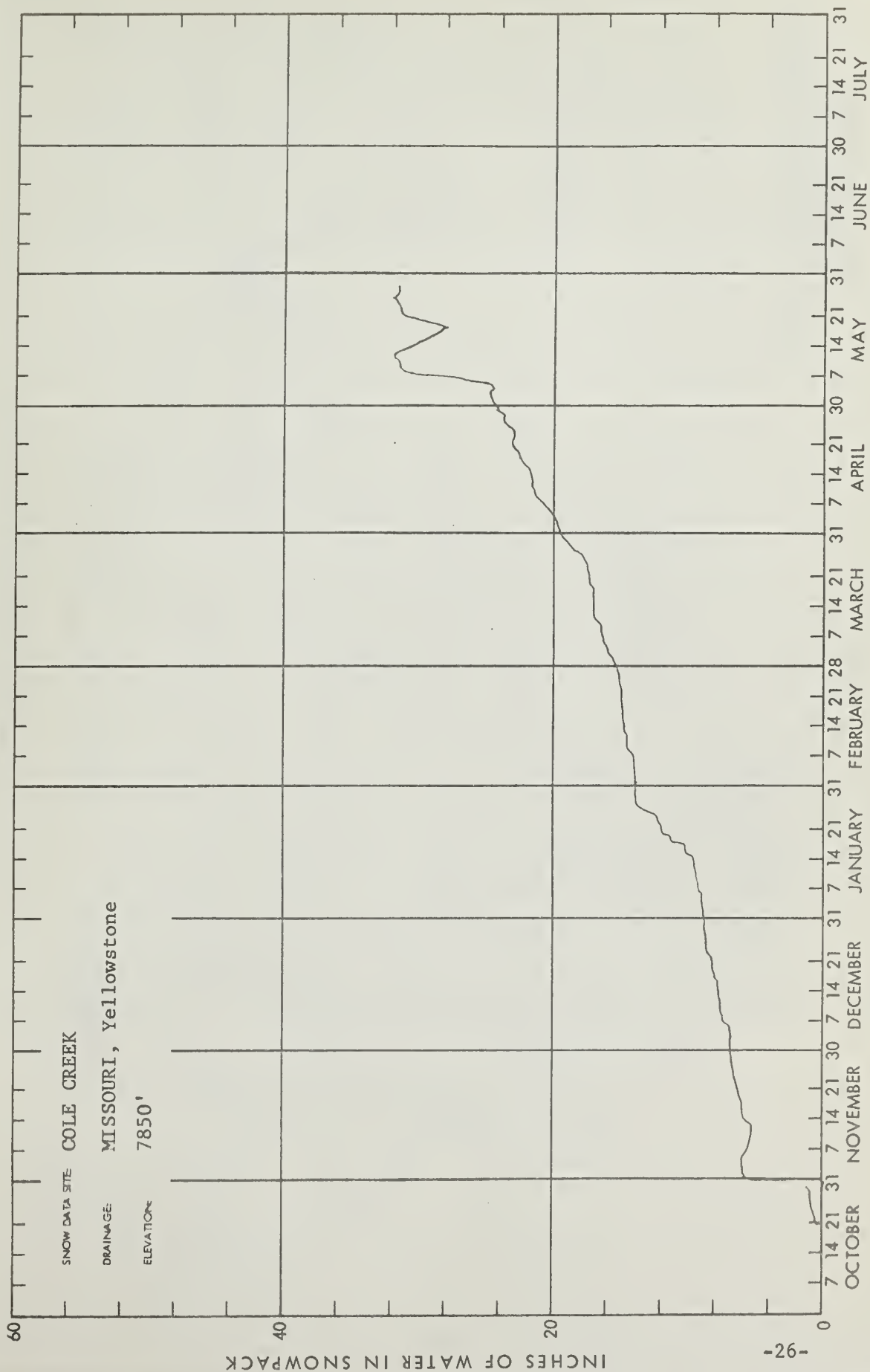




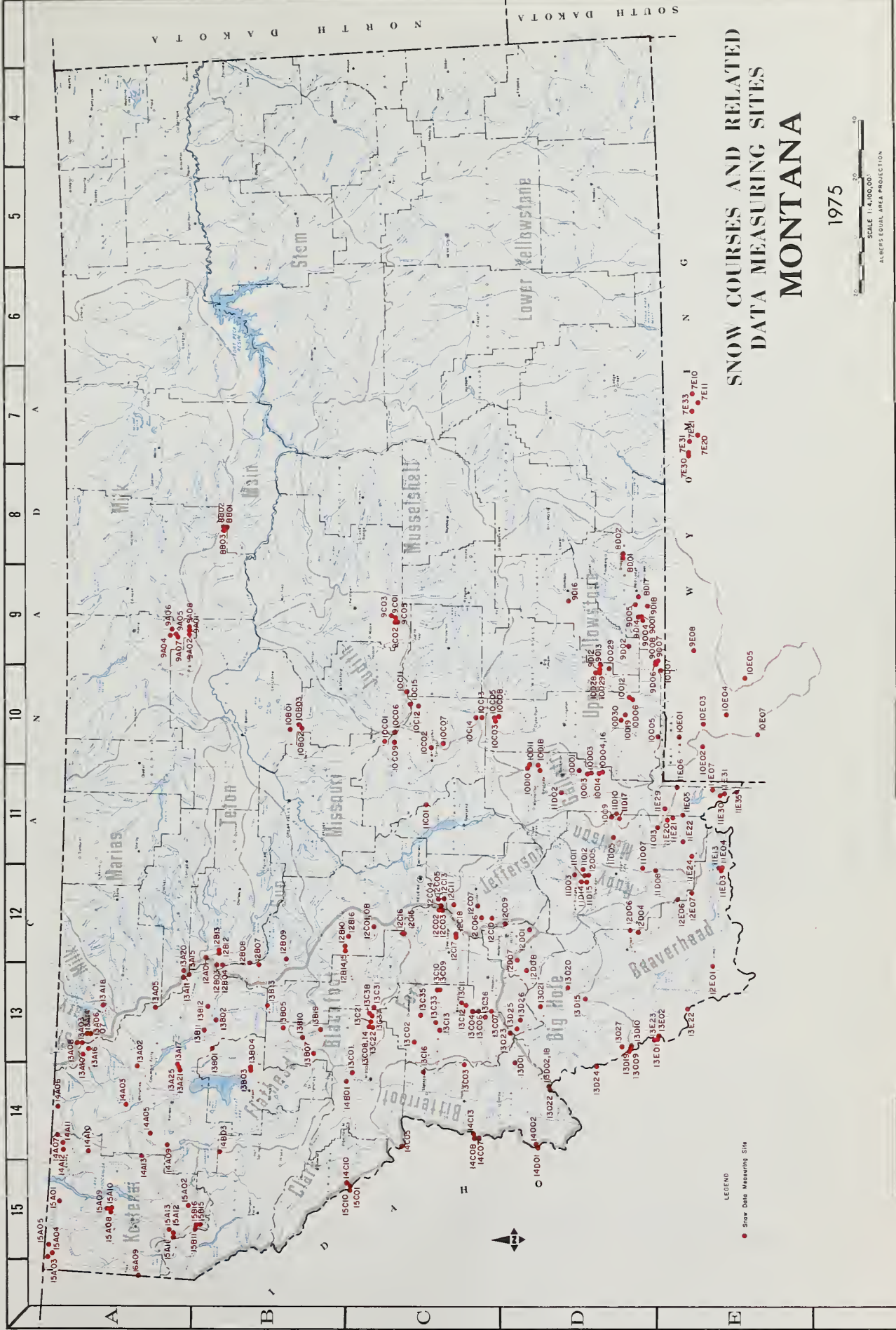






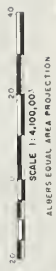






SNOW COURSES AND RELATED
DATA MEASURING SITES
MONTANA

1975



LEGEND
• Snow Data Measuring Site

Agencies and Organizations Cooperating in Montana Snow Surveys

GOVERNMENT AGENCIES

Canada:

Water Survey of Canada, Calgary, Department of the
Environment
Water Resources Service, Department of Lands, Forests
and Water Resources, British Columbia

Federal:

Department of the Army
Corps of Engineers
U.S. Department of Agriculture
Forest Service
Soil Conservation Service
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of the Interior
Bonneville Power Administration
Bureau of Indian Affairs
Bureau of Reclamation
Fish and Wildlife Service
Geological Survey
National Park Service

STATE

Montana Association of Conservation Districts
Montana Department of Fish and Game
Montana Department of Natural Resources and
Conservation
Montana State University - Agricultural Experiment
Station
North Montana Branch Station - Agricultural Exper-
iment Station
University of Montana - School of Forestry

PRIVATE

Montana Power Company

Other organizations and individuals furnish valuable
information for snow survey reports. Their cooperation
is gratefully acknowledged.

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